

Yale University New Haven, Connecticut 06510



SCHOOL OF MEDICINE

333 Cedar Street

Department of Human Genetics

September 5, 1979

Dr. Joshua Lederberg, President
Rockefeller University
1230 York Avenue
New York, N.Y. 10021

Dear Josh:

The locus mtr (68') was mapped solely by cotransduction with the arg₁ marker in W4183 by Hiraga et al. (1968 J. Bacteriol. 96:1880). They thought that the arg₁ marker in W4183 is argG at 68'. When A.L. Taylor converted the old arg locus designations to the Demerec system, he concluded that arg₁ was argD at 73'.

Someone wanted W4183 in order to identify this arg marker and thereby determine the map position of mtr. I took the strain from your old lyophils and drew the rough pedigree enclosed from your strain list.

The strain that we revived from the old lyophil of W4183 is Arg⁻ and Str^R alright, but is Thr⁺, Leu⁺ and Thi⁺. This looks as though there may have been a recombination involved in its derivation, although this was not my interpretation of the information in the strain list.

I'd be immensely grateful if you would take the time to look at the strain cards and list to see whether or not I have misconstrued the derivation of this strain. In the meantime, R. L. Somerville^{*} at Purdue, is going to try to determine the location of the arg marker in the strain that we sent to him as W4183.

With best regards.

Sincerely,

Barbara

Barbara J. Bachmann
Curator, E. coli Genetic Stock
Center

BJB/11

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Better late than never?
If this is still an issue,
please ☐ and I
will get at it.

J.